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Device for generating a magnetic field designed to
catalyse physical-chemical reactions

ABSTRACT

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A device for generating a magnetic field moving in
at least one field plane located in a fluid to be treated
and in which the gradient of the vector product between
the intensity of the magnetic field and its displacement
10 velocity induces stereochemical deformations of the
molecules of the treated fluid, which may be a limestone
water or a fuel. Each field plane may have a first
magnetic field generator such as a pair of coils (10,
10') and a second magnetic field generator such as a pair
15 of coils (12, 12') forming an angle θ with the first
generator, both being disposed at the periphery of the
pipe (20) through which the fluid to be treated is
flowing. At least one of the two field generators
generates a magnetic field whose amplitude is variable
20 over time so that the resultant is a magnetic field
moving in the field plane having a variable amplitude and
a direction moving at an angular velocity such as to
obtain the highest possible gradient of the vector
product.

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FIGURE 1.